

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

1914

TOOLE'S'

GUIDE TO PANSY CULTURE

AND

CATALOGUE OF SEEDS AND PLANTS

WILLIAM TOOLE & SON
PANSY HEIGHTS
BARABOO, WISCONSIN

1914 Annual Greeting

Again we greet our friends, old and new, with our annual catalog, and wish you all success with Tooler's flowers. Our very extensive trade has been built up in a large measure by recommendations of enthusiastic customers. When we get one customer in a town we are sure to soon have several. We would appreciate your showing this book to your friends and also your garden planted with TOOLES' SEEDS or PLANTS.

Perennials have for a number of years been one of the Tooler specialties, and this season we offer a more extended list of the varieties we have tested out in our trial grounds. Do not fail to order some of these hardy plants for permanent plantings about the home.

Our Pansy Field is a very interesting sight to flower lovers from the latter part of August until the ground freezes. We are always glad to have anyone come and look over our grounds.

GENERAL REMARKS

Some people hesitate at ordering plants from a distance, but our system of packing, that gives light and air to the tops and moisture to the roots, insures their arrival in good condition at almost any distance. We have selected the lightest package possible in order to make the express charges very reasonable. Remember that there is a special rate on plants that is 20 per cent lower than the merchandise rate.

GUARANTEE

If seeds or plants fail to reach you in due season, or if they do not arrive in good condition let us know at once and we will do our best to make everything satisfactory. We exercise the greatest care to fill all orders correctly and pack them safely. If mistakes occur or shipments miscarry we will promptly refill or refund the money. But in no case will we be responsible for more than the original amount of the order.

Club Orders

There is an advantage in club orders if all are shipped to one person, not only by lower rates for the larger quantities of plants, but also through proportionately lower express rates. In club orders each person's collection will be marked separately, and extras sent to the person making up the order.

Wholesale

We supply Florists and Gardeners with plants and seeds in season. Also Pansy Seeds to Seedsmen. Write for our special wholesale price lists.

Remittances

Money at our risk if you send express order, postoffice order, or bank draft on Chicago or Milwaukee banks, or banks of larger cities. Letters containing bank bills should be registered. Small amounts in silver are generally safe. Stamps accepted; one and two cent preferred. Make orders plain, separate from other correspondence.

Don't forget to sign your name and send all orders to

WM. TOOLE & SON

Pansy Specialists

Pansy Heights

:::

Baraboo, Wis.

Local and Long Distance Telephones.

ORDER SHEET

To **William Toole & Son**
Pansy Heights, BARABOO, WIS.

Amount Enclosed Date

Your Name
(VERY PLAIN)

Post Office State

County St. or R. F. D

Forward by { Express
Mail

QUANTITY	NAMES OF VARIETIES	DOLLARS	CENTS

AMOUNT

QUANTITY	NAMES OF VARIETIES	DOLLARS	CENTS
	AMOUNT BROUGHT FORWARD		
	TOTAL		

Please write here the names and addresses of friends who would be interested in our Catalogue and Pansy Guide.



W H O L E S A L E " L I S T "

TOOLSB' Premium American Fancy Seed.

The rapid increase in demand for our American Grown Pansy Seed indicates the satisfaction that it is giving both in germination and in quality and variety of flowers.

In our thirty years' experience in the Pansy business we have made a careful study of what will please the retail customer. We grow only the choicest varieties and raise these separately and then make up our mixtures according to definite formulae. In short we have developed an American Strain of Pansies that is just what pleases the American public.

HIGHBUSH STRAIN: Contains the choicest fancy sorts. We recommend this mixture for those having a critical trade.

Pkt. 25¢ 1000 seeds 50¢: 1/8 oz. \$1.00; 1/4 oz. \$1.75; Ounce \$6.00.

TOOLSB' GIANT PRIZE STRAIN: The best of all the Giant varieties, including our own introductions. It contains the correct proportion of the different colors for general sale. Flowers are large with richest color and fine texture. This strain will please you.

Pkt. 15¢ 1000 Seeds 30¢; 1/4 oz. 70¢; 1/4 oz. \$1.20; Ounce \$4.00.

Selected Mixed: A mixture of about equal amounts of the more than 70 varieties that we grow. A very satisfactory mixture.

Pkt. 15¢ 1000 seeds 30¢; 1/8 oz. 70¢; 1/4 oz. \$1.20; Ounce \$4.00.

Extra Choice Mixed: A good low priced mixture. No poor flowers, and is a well balanced mixture.

Pkt. 10¢ 1000 Seeds 20¢; 1/8 oz. 50¢; 1/4 oz. 75¢; Ounce \$2.75.

T O O L S B ' P A N S Y P L A N T S .

We make a specialty of greenhouse started Pansy plants for the trade. We send out stocky plants with a good bunch of roots; plants in bud and blossom. Our method furnishes a superior plant that is bright and fresh and will give the very best satisfaction.

We have developed a system of packing and a very light package that carries the plants any distance in good condition.

PRICES: per Thousand \$12.50; 500 at thousand rates; less than 500 at 1.40 per hundred. Plants ready from April 15th on. Send for SAMPLE.

W H O L E S A L E T O O L S B ' S C . . .

Pansy Heights,

B A R A B O O, I. L. S.

Pansies and How to Grow Them

"There's pansies, that's for thoughts."—Shakespeare.

ORIGIN OF THE PANSY.



Among all the floral treasures of our gardens there is no flower more interesting, more varied in color and markings, nor more generally loved than the pansy, or heartsease. Pansies have been wonderfully improved in recent years and yet we thought them very beautiful in the days when we compared their improved size and color with the Johnny-Jump-Up in the old time gardens. It was just about a century ago that some English gardeners and other flower lovers first commenced to make improvements in the pansy by selection and by crossing different species of *Violas*. Of the various species used, the ones which proved most useful are: *Viola tricolor*, *Viola cornuta*, *Viola lutes*, and *Viola altaica*.

PANSIES AS CUT FLOWERS.

If tastefully arranged, pansies may be very useful for decoration. They are best suited for little bouquets in small vases, or to be spread out on flat platters. They should not be crowded but should be arranged loosely enough to show up the individual beauty of each flower. The prettiest effects are secured by cutting the entire branch a little distance below the oldest flower and arranging these according to taste. With real lovers of flowers the pansy is the great favorite for home-table and living-room decoration. Invalids and convalescents always find great enjoyment in studying the faces of pansy-flowers, for the faces are in such variety and are so suggestive. The delicate shades of many varieties make them very suitable for design work; light blue or Lord Beaconsfield used in combination with whites are especially effective. The pure whiteness and very delicate fringing of the variety, Eiderdown, makes it very valuable for designs.

ARRANGING CUT PANSIES.

In displaying pansies for exhibition purposes wet sand or damp moss will answer to support the flowers, but

we prefer shallow trays or pans of water covered with wire netting through which the flower stems are inserted into the water. For table decoration, saucers, soup-plates, platters, or other shallow dishes of water may be covered with grasses or other foliage in sufficient quantity to keep the flowers above the water.

To the resourceful person, the following extract from a letter describing how some of Tooles' pansies were used at a recent wedding, may suggest the various ways in which pansies might be used for decorative purposes.

"We had the tinsmith make a sort of a trough to fit the top of the piano, about three inches high at the back and an inch and a half in front. This we filled with wet sand and put the pansies in it. We had greens around the ends and back and it was the most beautiful sight you ever saw. We had more admirers for the pansies than for all the chrysanthemums, and roses and carnations put together. We also had enough pansies for two lovely pieces fixed in cake baskets."

WHEN TO START PANSIES.

They are natives of Western Europe where the climate does not run to such extremes of temperature as ours, and they do best in cool growing weather, consequently our best flowers are to be had in spring or late summer and fall.

From central Illinois northward, if but one sowing is made, most satisfaction may be derived from planting out of doors early in spring. These plants will bloom from midsummer until snow flies and, if properly cared for, will live over winter and give the earliest flowers in spring and an abundance of bloom until summer heat has drawn the branches out so long that they had better give way to younger plants.

South of the latitude above mentioned it is better to depend on spring flowers from plants started in late summer and early fall, or from seeds planted in the greenhouse or house in January.

Pansies commence to flower in from seventy to eighty days from the time of sowing, under reasonably favorable conditions, and our custom-

ers in the extreme south and on the Pacific coast will thus see that from fall sowing they may have a long period of flowering before the summer heat commences.

In the latitude of northern Illinois and Wisconsin, seeds for plants to winter over should not be planted later than the first of September. If plants are desired for winter blooming sow late in July. Flowers can be had nearly as early from plants started in the greenhouse from middle of January to middle of February, but in the house it would be better not to plant earlier than March, for it is necessary to give the young plants room as they grow, planting out in shallow boxes before they become drawn and slender. If seeds are sown out of doors just before winter sets in, they will come up early in spring and flower before July.

WHERE TO GROW PANSIES.

Pansies may be grown in the house or greenhouse in winter, if young plants just commencing to bloom in the fall are used. They should be kept cool and dry and should be protected from green fly and red spider. Old plants which have done service in the garden are not suitable for winter blooming. Several plants in a box are better than single plants grown in earthen pots.

They may be grown in the garden anywhere, if not too hot a place or if not where they must struggle with larger plants or trees for nourishment and sunlight. They should not be planted where the land slopes to the south. In bedding, the best color effects may be had by planting separate colors in masses to give the contrast of the various shades of blue or purple, like Light Blue, Lord Beaconsfield and Emperor William, with yellow, white, or the brown shades.

In the summer they will do well on the balcony, porch, or window sill if not directly facing the south; and when grown in this way no plant better repays the care given. For an eastern or northern aspect pansies are fine for window boxes. Pansies, when wintered over give the earliest flowers in the garden. After blooming a couple of months they may be succeeded by the usual summer bedding plants like geraniums, verbenas, salvias, etc. Young pansy plants bloom well through the summer and are useful to follow the early spring bulbs.

The plants which have flowered in the spring will do well again in the fall if the long branches are cut back late in June.

SOWING SEEDS.

The same care is required in sowing pansies as for other small seeds. They must not be covered too deeply, nor be permitted to dry after they have commenced to germinate, for a dried plant is dead no matter how small it is.

Pansy seed should be sown thinly in shallow furrows not more than one-sixteenth of an inch deep, made with the sharpened edge of a piece of lath. The seed-bed should be mellow and rich, leveled smooth before the seeds are sown, and after sowing the seeds should be covered evenly, and the surface pressed with a piece of board. The seed-bed should be watered and shaded until the young plants are up, after which they should be gradually accustomed to full light. Shade for the seed bed may be secured by laying over some kind of frame about a foot from the ground, laths or pieces of sheeting.

As soon as the plants are up the shading must be gradually removed as there is always danger of "damping off" with any kind of small plants inclose, warm and damp situations. Too high temperature in the seed-bed is fatal to pansy seeds, and those planted in midsummer will not germinate strongly if the thermometer in the shade ranges for a long time above 75 degrees. If the seeds are permitted to dry after they have sprouted their vitality is gone. If covered too deeply they cannot come up.

Transplant after the plants have attained the fourth or fifth leaf and before they have become drawn and slender with crowding.

SOIL.

Pansies are not deeply rooted plants, therefore they must be furnished rich soil, and not allowed to become very dry, but the fertility must be such as can be used at once, and not consist of coarse fresh manure and the moist condition of soil must not run to the extreme of continued wetness.

A rich, sandy loam is good for pansies, and, if not too stiff, a clay soil is better than that which is very sandy. But whatever its texture, the soil should be made rich with well rotted manure, thoroughly incorporated with the soil, and stirred several

times while the plants are in the seed-bed. This thorough preparation of the soil before transplanting is very important.

Well-rotted manure, if to be had, is preferable to commercial fertilizers.

The ability of the pansy to stand hot weather depends greatly on its treatment. If the soil is rich enough, and not too dry, nor in too hot a situation, pansies, with frequent cultivation, will stand a long siege of hot weather, if no seeds are allowed to form. With this care one can have pansies from young plants in midsummer.

SHADE.

An eastern or northern slope is preferable. Our own experience does not permit us to favor shade, although shade is preferable to too much heat, and the shade of trees is more objectionable than the shade of buildings. Temporary shade during the hottest portion of the day in extremely warm weather would be an advantage, but shade the whole season through will not admit the brightest colors, or an abundance of flowers.

CULTIVATION AND WATERING.

If watering is necessary and possible the ground should be well soaked in the evening, and thoroughly stirred about two inches deep next morning, as soon as the soil is dry enough.

Cultivation without watering, is better than watering without cultivation.

Keep the buds picked off after transplanting until the plants are well established and also during very hot weather for a good display of flowers in the fall.

When growing where they are to stay, about eight inches to a foot square space should be allowed each plant. Frequent stirring of the soil is necessary between plants until they are too large.

A crust should never be permitted to form on the surface. Frequent cultivation is, more than anything else, the secret of success in pansy growing.

WINTER PROTECTION.

The plants which have flowered through the summer and fall will usually winter over if protected with a light covering of leaves or

straw which is better if a little brush has been placed over the plants first.

Young plants are quite hardy if protected from sharp winds, and not allowed to become too wet near the surface of the ground. The young plants should be transplanted from the seed-bed to winter quarters early enough to become well rooted before winter sets in.

Boards may be used instead of glass for cold frame covering; glass should be shaded if too warm, as it is desirable to keep the plants dormant, and they should be watered if necessary, as the roots will sometimes freeze dry if not looked after.

A good way to protect pansy and other plants is to have a V trough of narrow boards to cover the plants with, and then throw on some coarse litter of leaves, straw, manure or shavings. In all cases thorough surface drainage must be provided to prevent water from accumulating about the plants and forming ice about them.

PANSY PESTS.

Pansies, like many other flower plants in hot, dry weather, are liable to be injured by the so-called "Red Spider," a minute insect which attacks the under surface of the leaves of many garden and field plants, causing them to wither, as if from dryness. Spraying of water from a garden pump directed forcibly against the plant will reach the under side of the leaves and destroy the insects. The addition of pyrethrum powder or else kerosene emulsion to the water makes the remedy still more effective. As the red spider flourishes best in a dry atmosphere, it is often the case that plants in the shade of trees suffer because heavy dews are kept from the plants by the trees.

Aphis or plant lice cause more injury in gardens than people are generally aware of. Apply in any way to wet the plant lice, a solution of one teaspoon of nicotine to two quarts of water. The same may be used on house or other plants troubled with scale or shell louse, mealy bug or red spider. Kerosene emulsion or a strong tobacco tea will do nearly as well.

Do not miss our list of Hardy Perennial Plants. They have all been tested out for hardiness in this climate. The value of these plants

for home decoration cannot be overestimated. Try some Delphiniums, Phloxes, and Hollyhocks in clumps about the house.

Varieties of Pansy Seeds and Prices

We offer the following list of varieties for the many pansy lovers who wish to grow the colors separately and those who have special favorites.

SPECIAL OFFER. To encourage this trade we make the following offer: For \$1.00 select packages to the amount of \$1.20; for \$2.00 select \$2.50 worth. This offer applies to Sweet Pea, Nasturtium and all seeds in packages as well as to Pansies. It does not apply to trade packages.

No variety of flower responds more readily to good care than does the pansy, and none are more sensitive to neglect or careless treatment.

Please give ours a chance to show what they can do.

Repeated trials have proven conclusively that our American grown pansy seed will germinate more strongly, and the resulting plants show more vitality than those grown from foreign seed. In addition to this, all varieties here offered have been tried and proved to be of value. In pansies as well as other varieties of plants, novelties are continually being offered. These we test out in our own fields before we offer them to our customers.

No.

- 1 Deep Blue—varying from bright to very dark blue.
- 3 Light Blue—delicate shades of light blue or lavender.
- 4 Nos. 1 and 3 mixed.
- 5 Uncle Tom—our own strain—the deepest black of pansies.
- 9 Havana Brown—attractive shades of light brown, old gold, etc.
- 10 Velvet Brown—very rich and velvety dark brown shades.
- 12 Bronze—varying from light bronze to copper hue.
- 13 Nos. 9, 10 and 12 with other shades of brown; mixed.
- 14 Fancy Red—reddish shades of purple from rosy to almost crimson. This variety is in all respects the best red pansy.
- 15 Rose — a variety of our own and quite distinct from any other, with light shades of pink to deep rose, and carmine purple, with rich velvety centers.
- 16 Cardinal. The nearest to scarlet of any pansy grown, combined with yellow shades.
- 20 Velvet Purple—rich, dark shades of royal and purple velvet.
- 21 Nos. 14 to 20 mixed with Giant red varieties.

- 34 Striped Mixed—flowers beautiful and curiously marked, with Lilac, bronze and yellow on purple.
- 36 Snow Queen—pure white with characteristic yellow dot in center of flower, sometimes marked near center with blue or purple lines.
- 38 White, Large Center.
- 40 Nos. 36 to 38 and Giant White mixed.
- 40 Nos. 36 to 39 inclusive and Giant White mixed.
- 44 Odier or Five Spotted—while other pansies have center markings only on three lower petals these marks are shown on all petals in the variety. Mixed colors.
- 49 Emperor William—blue with large dark center.
- 50 Lord Beaconsfield—lower petals dark purple, shading to lavender in upper petals. This and preceding variety are good bedding varieties.
- 51 Nos. 49 and 50 mixed.
- 52 Marbled yellow—reddish purple on yellow ground, gold banded. Very beautiful.
- 53 Fiery purple — velvety, scarlet purple shades, with yellow.
- 54 Fire King—upper petals bright purple red, lower, yellow with large center markings.
- 55 Gloriosa Perfecta—beautiful markings with rich steel blue shading over the colors. Some with white, others with white and crimson edges.
- 57 Emperor Frederick. Black or dark brown with rich crimson and golden yellow border.
- 58 Columbia. The red, white and blue pansy. This variety is very hard to hold true to color, but when it does come true probably no flower grown combines to the same extent our national colors as does our pansy, Columbia. Pkt. 15c.
- 61 Freya—black with crimson and white edge.
- 63 Silver Edge—rich purple shades with distinct white border.
- 64 Nos. 52 to 63 mixed. Fancy bordered varieties mixed. Nothing more beautiful than this class in all the varieties of pansies.
- 65 Deep Yellow—no yellow flower grown is more attractive than the deep yellow pansy.

69 Sunshine or Goldelsie. Pure yellow without other markings, while on a few plants the flowers are penciled with lines of black or brown near the center.

70 The preceding yellow varieties with Giant Yellow mixed.

73 Blue with white border.

74 Orchid Flowered—flowers large of varying shades of yellow, buff, pink—indescribable.

76 Two preceding varieties mixed.

GIANT VARIETIES—The flowers and plants of this class of pansies are larger than the others. In the last few years they have been greatly improved in form, substance, of petals, and color, and are rapidly taking the place of the smaller flowered varieties. We are constantly testing new varieties and list only those of merit.

97 Bugnot—a Giant Odier of great beauty and variety of markings. Packet 15c.

98 Giant Masterpiece—flowers very large; petals frilled and ruffled, some appear as if double; have Odier style of colors. Packet 15c.

99 The two preceding varieties mixed. Packet 15c.

100 Giant Yellow—flowers very large, bright yellow, with black or brown velvety centers.

101 Giant Goldelsie—strong grower and large flowers. A bright shade of pure yellow without other markings.

102 Giant Mercury, very rich velvety purple, large flowers. New

103 Giant Beasonsfield.

104 Giant Emperor.

105 Giant Light Blue—delicate light blue and lavender.

107 Giant Snow Queen—larger than the ordinary Snow Queen.

108 Giant White—the flowers are very large with rich violet center markings.

109 Giant Striped—always attractive.

111 Giant Mauve—We have tested this variety for several years and consider it one of the best of the recent introductions. Rich mauve color with violet center markings.

112 Giant Young Bride—delicate pink flowers with purple violet center.

113 Giant Purple Violet Center—rich purple, very striking.

115 Giant Canary Bird—also known

as McKinley. Canary yellow with very large dark blotches on all five petals.

116 Giant Auricula—in varying shades of rosy buff, chamois, etc.

117 Giant Havana Brown—old gold, fawn, russet, etc.

119 Giant Pretiosa—with a deep violet blotch on each petal surrounded by rosy to crimson purple and edged with white.

120 Giant Rosy Morn—from rosy to crimson purple with white edge.

123 Giant Pearl—in shades of drab, brownish, lavender, etc.

124 Giant Lavender—a lovely shade of lavender blue with rich violet blue center. The flowers are large, of good substance and very attractive. Per packet, 20c.

125 Giant Black—flowers of large size and deep black.

128 Eiderdown — a beautiful giant flowered white pansy which we believe is the first of what will eventually prove to be a distinctive American type. Flowers perfectly round in form and delicately fringed around edges; of purest white except for a faint lavender pencilling near the center. As an exhibition flower this variety always attracts attention, and because of its stocky growth, free branching habit and profuse blooming qualities it is especially valuable for bedding. Pkt. 20c.

129 Giant Cyclone—this variety is also of the giant class, and because of its delicate shading, is always a favorite. It has a white ground, with a dark, border that shades to a delicate lavender. It is also a free bloomer and shows finely as a bedder. Per pkt. 20c.

Any of the above varieties or mixtures, 10c per pkt. except where otherwise noted.

Florists and Market Gardeners write us for our trade list.

GENERAL MIXTURES OF PANSY SEEDS.

We wish to call attention here to our numbered mixtures of pansy seed, taking in all those varieties of related colors, or classes. We refer to such mixtures as Nos. 4, 8, 21, 64, etc., which are very popular.

130 Toole's Giant Prize Pansies.

This is a carefully prepared mixture of the many beautiful large flowered varieties and has been very popular with our customers since we first offered it. It will stand the test of the closest comparison with any mixture of giant varieties offered, whether grown in America or Europe. Packages of about 300 seeds, 15c; trade packages of about 1000 seeds, 30c.

133 Extra Choice Mixed. This is a good general mixture of pansy seed containing a good proportion of giant varieties. Pkt. 10c; trade pkt. 20c.

134 Selected Mixed. A mixture of about equal quantities of all the kinds we grow. You cannot help being pleased with this mixture. Pkt. 15c; trade pkt. 30c.

135 Hesperian Strain. A selection of

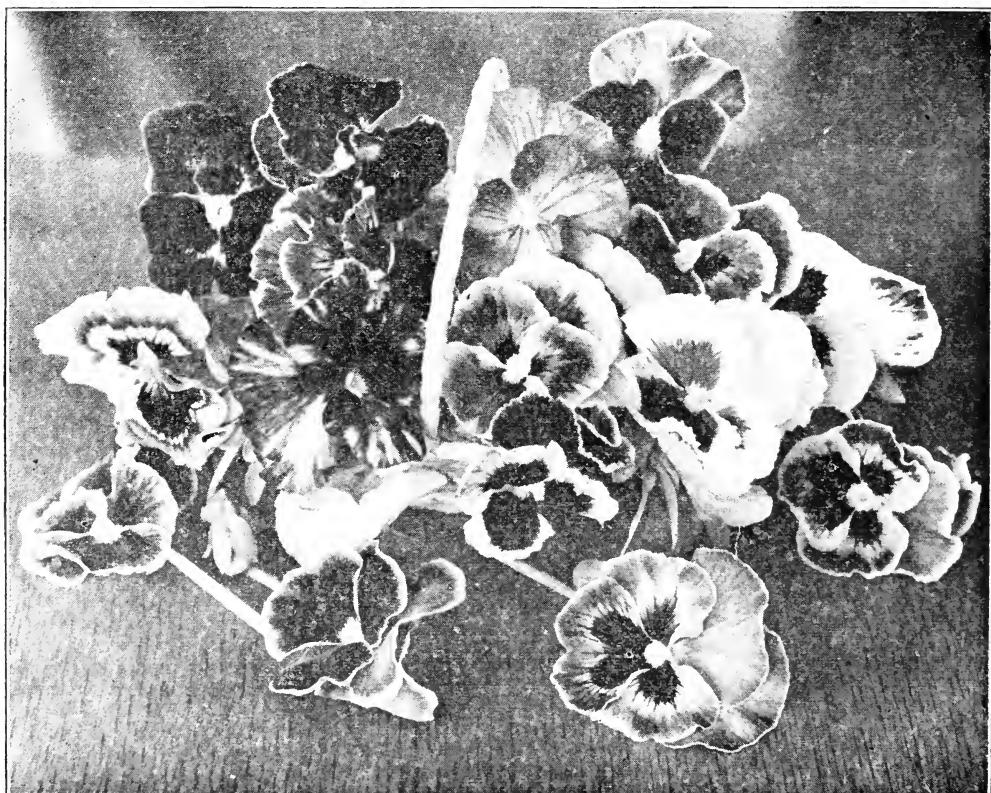
the most beautiful varieties, noticeable for their large size and perfection of form and coloring. The formula for this mixture has been made as the result of thirty years' experience in raising pansy seeds and plants for the wholesale and retail trade. We offer it with the utmost confidence that it will please the most critical customers. Pkt. of 300 seeds, 25c; trade pkt. of about 1000 seeds, 50c.

Premiums: For \$1.00 order pkts. to amount of \$1.20; for \$2.00 order to amount of \$2.50.

The above premium applies to seeds in pkts., but not to trade pkts., or seeds by weight.

The same premium is allowed for other seeds as for pansy seeds.

Pansy plants. For prices of pansy plants see general list of plants.



Grown From Toole's HESPERIAN STRAIN Pansy Seed.

Other Flower Seeds

Our seeds other than pansies, which we grow ourselves, are procured from the very best sources in Europe and America.

To encourage the use of our seeds, we offer premiums as follows: For each dollar sent for seeds in packages, select extra seeds to the value of twenty cents. The above premium offer applies to both pansies and other seeds in packages, but does not apply to seeds ordered in trade packages or in bulk. Trade packages of any of the seeds listed may be had at double the price for ordinary packages. Trade packages contain three times the amount of ordinary packages.

No.

199 AGERATUM — Blue Perfection. Dark blue, dwarf; for bedding and borders. Pkt. 5c.
 200 —Imperial dwarf, white. Pkt. 5c.
 201 ALYSSUM. Little Gem. Dwarf, compact plants, fragrant, white flowers. For bedding, ribbons, etc. Pkt. 5c.
 202 ANTIRRHINUM, or Snapdragon. Giant flowered, mixed colors. Now a very popular flower. Pkt. 5c.

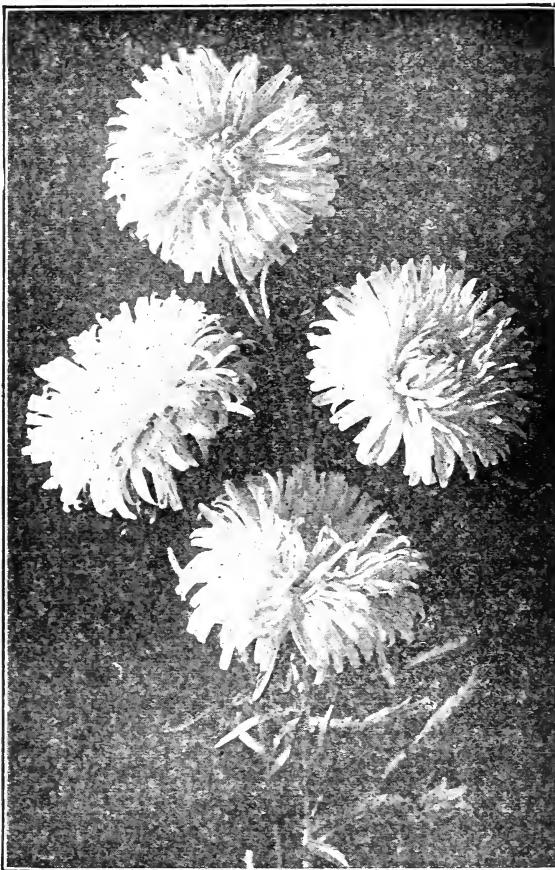
ASTER. We take great pride in our Asters and secure the very best strains that we have tested out in our own grounds.

The same direction given for care of pansies in seed-bed will apply to asters, except that the latter may be covered a little deeper. Seeds may be sown from the time frost leaves the ground until late in May. Plants started in May will be ready for the fall fairs.

Make the soil into which they are transplanted rich; stir the surface frequently and mulch before they begin to bud. Asters when in bloom should not suffer for want of water.

When the plants are in full bloom out of doors they may be lifted with some soil about the roots and placed in a bowl or tumbler of water with a little moss in the bottom. They will thus keep in condition longer if removed to the house for decoration than they would if exposed to the weather in the garden.

With so much need for white flowers none are more useful than white asters. These with the lighter shades of purple, blue and rose or pink, are very much used for decorative work. A choice selection of these colors, in the best varieties, has been chosen for customers.



Aster, Ostrich Feather.

203 New Branching Aster. Large flowers of fine form and with long stems. The finest of all asters for cutting. Mixed colors. Pkt. 10c.
 204 New Branching. Separate colors; white, pink, crimson or lavender. Pkt. 10c.
 205 Crego's Giant Pink. Long, stiff stems bearing large fluffy flowers with long curly petals. A favorite with Aster growers. A delicate shell pink color. Pkt. 15c.
 206 Crego's Giant White. The same feathery flowers as above, but pure white. Pkt. 15c.
 209 Ostrich Feather. Variety of colors mixed. Much after style of the old Giant Comet with the long curly petals. Large flowers and good stems. Pkt. 10c.
 210 Ostrich Feather. Separate colors, either white, light blue or pink. Pkt. 10c.

213 Paeonia Flowered Perfection. Flowers large, globular, free blooming, and in great variety of shades; mixed. Pkt. 10c.

214 Paeonia Flowered, white, pink or light blue, separate. Pkt. 10c.

215 Rose Flowered. Flowers medium large, in great variety of colors, very double and free blooming, durable and satisfactory for decorative purposes; mixed. Pkt. 10c.

216 Rose Flowered, white, light carmine or light violet; separate. Pkt. 10c.

217 The above tall varieties mixed. Pkt. 10c.

220 Hohenzollern. A variety of colors mixed. An early blooming variety of the long curly petaled or Ostrich Feather type. A valuable early variety. Pkt. 10c.

221 Queen of Earlies. Mixed colors. Flowers medium to large size on good stems. Very early. Pkt. 10c

223 The two above early varieties mixed. Pkt. 10c.

224 All varieties mixed. Pkt. 10c.

226 Mixed Whites. The best whites for florist use. Pkt. 10c.

227 BALSAM. A showy old-fashioned flower of easy culture. Also known as Lady Slipper. Double flowers, white, pink, red finest mixed. Pkt. 10c.

228 CARNATION Marguerite. These if sown early will bloom the same season. They are very free bloomers and more than three-fourths come double from the seed. They are in as great a variety of colors and as fragrant as the greenhouse carnations. Pkt. 10c.

229 CANDYTUFT. Well known and desirable for cutting or planting in beds or masses. Empress, the best white, and all varieties mixed. Pkt. 5c.

230 CENTAUREA, Cyanus. Bachelor's Button or Corn Flower. Emperor William, a dark blue variety much in demand as a cut flower. Pkt. 5c.

231 COBEA Scandens. Porch vine with large purple, bell shaped flowers, and handsome leaves. Rapid grower. Start early and transplant. Pkt. 10c.

232 COSMOS. Early. Easy to grow, covered with bloom the entire summer. We saved this seed from selected plants the past season. Mixed colors. Pkt. 10c.

233 COSMOS. Early. White, pink, or crimson; separate. Pkt. 10c.

234 DIANTHUS. Double Chinese Pink. These are profuse bloomers and the flowers are very showy, being as satisfactory as the carnations as cut flowers. Ranging in color from nearly white to the darkest scarlet. Mixed colors, 5c per Pkt.

235 DIMORPHOTHECA aurantiaca, The glossy orange gold with the contrasting black disk of the Marguerite-like blossoms make this a conspicuous and beautiful plant for beds and borders. New from Africa. Pgt. 10c.

236 GODETIA. New Dwarf Hybrids, mixed. An old fashioned garden flower that is much admired. Large satiny flowers in many shades of red, pink and white. Pkt. 5c.

237 MIGNONETTE. Machet, dwarf pyramidal growth and very fragrant flowers. A favorite in the garden and much desired in bouquets, because of its delightful fragrance. Pkt. 10c.

NASTURTIUMS. Tall. We obtain the very best Nasturtium seed to be found.

238 All varieties mixed. Combination of rich colors. Oz. 10c. pkt 5c

239 —Crimson. " 10c, pkt 5c

240 —Yellow. " 10c, pkt 5c

241 —Rose. " 10c, pkt 5c

242 —Scarlet. " 10c, pkt 5c

243 —Orange. " 10c, pkt 5c

244 —King Theodore. Dark red, Oz. 10c, pkt. 5c.

245 NASTURTIUMS, Dwarf; mixed. 10c, Pkt. 5c.

246 Lady Bird. Yellow barred with ruby crimson. Oz. 10c, pkt. 5c.

247 —Dwarf Crimson. Oz. 10c, pkt. 5c.

248 —Creamy white. Oz. 10c, pkt. 5c

249 —Rose. Oz. 10c, pkt. 5c.

250 King of Tom Thumbs. Scarlet. Oz. 10c, pkt. 5c.

251 —Golden King, bright yellow. Oz. 10c, pkt. 5c.

252 PHLOX DRUMMONDII. Large flowering. Easy to grow, brilliant colors; mixed. Pkt. 5c.

253 PETUNIA HYBRIDA GRANDIFLORA. Fringed; mixed colors. Pkt. 10c.

254 —Superbissima. Large flowered with large, deep throat; mixed colors. Pkt. 10c.

255 SALVIA Splendens. Bonfire. This showy bedder with its long spikes of scarlet becomes more popular every year. Medium growing and free bloomer. Pkt. 10c.

256 SCABIOSA, or Mourning Bride. Fine for cut flowers. A mixture of white, pink, yellow, scarlet, nearly black and other shades. Pkt. 10c.

SWEET PEAS should be planted early in reasonably fertile soil, not less than 3 inches deep. The seed may be planted in trenches and covered with a couple of inches of dirt and more soil added after the young plants come up. If flowers are picked freely the plants will continue longer in bloom.

Our list is selected with great care to get the best varieties, and we have secured the best quality of seed

260 *Orchid Flowered* or *Spencer* type. Giant flowers with wavy edge. The finest colors of Sweet Peas mixed. Oz. 30c. Pkt. 10c.
 261 —*Countess of Spencer*. Lovely shell pink. Wings and standards waved and fluted at outer edges. Oz. 30c. Pkt. 10c.
 262 —*Florence Morse*. Light pink, Spencer type. Oz. 30c. Pkt. 10c.
 263 —*Helen Lewis*. Orange pink, Spencer type. Oz. 30c. Pkt. 10c.

STANDARD VARIETIES.

270 —*Sweet Pea*. *TOOLE'S SPLENDID Mixture*. All the best colors of the free blooming standard varieties. Oz. 15c Pkt. 5c.
 271 —*Dorothy Eckford*. Pure white. Oz. 15c. Pkt. 5c.
 272 —*Emily Henderson*. Pure white Earlier than Dorothy Eckford. Oz. 15c. Pkt. 5c.

Hardy Perennial Flower Seeds

The rapidly increasing popularity of the hardy perennials has led us to list the seeds of a few of the more easily grown and more popular kinds. We have secured seeds of especially high quality that are sure to give the very best satisfaction. Per package, 10c, unless otherwise noted.

300 *AQUILEGIA CHRYSANTHA*. California Columbine: long spurred, yellow
 301 *AQUILEGIA COERULEA*. Blue and white, long spurred; known as the Rocky Mountain Columbine.
 302 *CANTERBURY BELLS*. Cup and saucer variety. Mixed colors.
 303 *CANTERBURY BELLS*. Single; mixed colors.
 304 *COREOPSIS LANCEOLATA GRANDIFLORA*. Large, golden yellow.
DELphinium, or Larkspur.
 305 —Chinese. In various shades of blue.
 306 —Chinese. White.
 307 —*Formosum*. Blue with white eye.

273 *Blanche Ferry*. Pink and white, early. An old favorite. Oz. 15c, Pkt. 5c.
 274 —*Prima Donna*. Lovely shade of pink. Oz. 15c, Pkt. 5c.
 275 —*Royal Rose*. Deep rose. Oz. 15c, Pkt. 5c.
 276 —*King Edward*. The best bright scarlet. Oz. 15c, Pkt. 5c.
 277 —*Queen Alexandria*. The largest and finest scarlet self in existence. Oz. 15c Pkt. 5c.
 278 —*Lovely*. Beautiful soft pink, large flower. Oz. 15c Pkt. 5c.
 279 —*Dainty*. White edged with pink. Oz. 15c, Pkt. 5c.
 280 —*Black Knight*. Deep maroon. Oz. 15c, Pkt. 5c.
 281 —*Earliest Sunbeam*. Primrose yellow, early. Oz. 15c, Pkt. 5c.
 283 —*Navy Blue*. Oz. 15c, Pkt. 5c.
VERBENA HYBRIDA. A fine bedding plant. Popular and easy to grow.
 285 —*Firefly*. Scarlet with white eye. Pkt. 10c.
 286 —*Defiance*. Fiery scarlet. Pkt. 10c.
 287 —*Mayflower*. Beautiful pink. Pkt. 10c.
 288 —*Coerula*. Dark blue with white eye. Pkt. 10c.
 289 —*Mammoth White*. Pure white. Pkt. 10c.
 290 —*Mixed colors*. Finest quality mixed. Pkt. 10c.



Pyrethrum Hybridum.

308 —Formosum coelestinum. A clear sky blue.

309 —Hybridium. Large flowered. Very best strain.

310 —Belladonna. New. Good bloomers Turquoise blue. Pkt. 15c.

311 DIGITALIS MACULATA. Spotted Foxglove.

312 GAILARDIA GRANDIFLORA. Mixed.

313 GYPSOPHILA PANICULATA. Baby's Breath. Fine mist-like flowers.

314 HOLLYHOCKS. Double. Mixed colors.

315 —Single. Mixed colors.

316 —Allegheny. Fringed. Mixed colors.

317 POPPY, Oriental. Deep crimson

318 PYRETHRUM HYBRIDUM GRANDIFLORUM. Large flowers.

319 SHASTA DASIY. The best Shasta.

320 SWEET WILLIAM. Single. Mixed colors.

321 —Double. Mixed colors.

PLANT DEPARTMENT.

The selection of varieties for our plant list has been made with reference to their fitness for outdoor growing, window boxes in summer, veranda boxes, and vases, without regard to their usefulness as winter house plants. We find that many things which formerly were classed only as greenhouse plants are fine for summer growth either outside of the window, in the garden, or as climbers by the porch.

PLANTS FOR WINDOW BOXES. Our customers often inquire about plants suitable for window boxes and vases. Selection may be made from the following: Geraniums in variety, Paris Daisy, Feverfew, Salvia Splendens, Cigar Flower, Verbena, Petunias single or double, Thunbergia, Lobelia, Double Alyssum, Vinca, Ageratum, Coleus, Tradescantia.

GARDEN ANNUALS. In offering seedling plants of our garden annuals we seem to have supplied a long felt want, and we have been surprised at the great demand for them for bedding purposes. Many do not care to trouble with seed sowing, others order a few to fill vacancies, or such varieties which they cannot start early. Many find it much cheaper at the moderate prices we charge to buy our strong transplanted plants, rather than run the many risks of failure in starting them from seeds.

CARE OF PLANTS WHEN RECEIVED. The plants when received, whether by express or mail, should be taken to the cellar or some other

cool place, and unpacked at once. The roots should then be sprinkled with water and covered with fresh soil so that they will not dry out. It is best to plant them out in the evening or early in the morning.

The bed should have been prepared some time previously, the surface being stirred frequently. Then the plants may be safely planted out even in dry weather, if watered and shaded.

EXPRESS RATES. Express rates on plants are 20 per cent less than merchandise rates. See that you get this special rate.

OUR SYSTEM OF PACKING. We wish here to call especial attention to our system of packing plants which keeps the roots moist and gives the tops light and air so that they can be shipped long distances and arrive in perfect growing condition. Our packages are the lightest possible weight and so make the express charges very moderate.

CLUB ORDERS. In club orders each person's collection will be marked separately, and some extras sent to the person making the order.

GUARANTEE. It is our constant aim to supply our customers with plants of the very best quality. If mistakes should occur, or plants arrive in poor condition due to careless handling by the express company, please let us know and we will rectify at once. We will not, however, be responsible for more than the original value of the plants.

PLANTS FOR HOUSE AND GARDEN

AGERATUM. The plants are a mass of flowers until cut by frost. They are fine in masses or as a border to taller growing showy plants such as Salvia. In separate colors, lavender blue, or pearly white. Per doz. 30c.

ALYSSUM, Double Sweet. The plants are a mass of white until the ground freezes, and the flowers have a pleasant honey fragrance. Valuable as droopers over edge of vase or window box, or for borders of flower beds. Much used in cemetery planting. Each 5c, doz. 50c.

ANTIRRHINUM, or Snapdragon. An old time favorite which has become a fashionable flower during the last few years. Strong plants in a variety of colors. 30c per doz.

ASTERS. Asters steadily increase in popularity for cut flowers and are as general favorites in their season as are the chrysanthemums later. By planting separate varieties a long season of blooming is obtained.

We make aster plants one of our specialties and our rapidly increasing trade assures us that our customers are pleased with the results secured by planting our aster plants.

We can furnish them in white pink, light blue or lavender, bright red and deep purple, in the separate colors of the varieties described in the seed list, also in mixtures.

The plants we offer have been transplanted, they are strong and thrifty, and are grown from the choicest seed. Doz. 20c, per 100. \$1.25.

CANNAS. The foliage is tropical in appearance and the flowers give a mass of color from the first of July until frost. Much used as a bedding plant, either alone or as the center or background for salvias, geraniums or other showy plants. The varieties offered are all standard and will give good satisfaction.

—Alphonse Bouvier. 5 ft. Crimson flowers, green foliage.

—Egandise. 4 feet. Currant red flowers, bronzed foliage.

—King Humbert. 4 ft. Orange scarlet flowers, very broad bronze foliage. The finest of all. Called the Orchid Flowered Canna

—Florence Vaughan. 5 ft. Golden yellow flowers with bright red, green foliage.

Price: 3 in pots, by express, each 15c; 3 for 40c; \$1.50 per doz.

CARNATIONS. Marguerite. These summer flowering carnations are from seed and flower freely the first season. A large percentage come double and they are delightfully fragrant. In white, pink or mixed shades. Per doz 30c.

CHRYSANTHEMUMS.

—Major Bonaffon. Late, globular yellow flowers.

—White Bonaffon. Pure white, late.

—Chrysolora. Early flowering, large incurved flower.

—Belle. Large flower, bronze color.

Any of the above varieties of chrysanthemums, 10c each, per doz. \$1.00.

CIGAR FLOWER. Cuphea platycerata. Tubular scarlet flowers, tipped with black and ash white. Always in bloom, winter and summer, and very pretty in window box or vase. 5c each, 50c per doz.

CINERARIA MARITIMA, DIAMOND. Dusty miller. Leaves are white. Much used for bedding. Each, 5c, 50c per doz.

COBAEA SCANDENS. A rapid growing climber with large, purple, pendant bell shaped flowers. Very handsome for screens, or porch shade. 5c each, per doz. 50c.

COLEUS. Much used for bedding, also very pretty in sunny window boxes and lawn vases. We have a fine collection of yellow, red, and mottled colored foliage. 5c each, 50c per doz. \$3.50 per 100.

COSMOS. These are so free blooming that they should be in every garden. In mixture of colors from pure white through pink to dark crimson.

—Early, mixed colors, or white, per doz. 30c.

Late mixed colors or white, doz. 30c.

DIMORPHOTHECA AURANTICA. The Golden Marguerite. This beautiful annual was recently introduced from South Africa. We were very much pleased with this new plant last year as it showed up on our grounds. The glossy orange gold with the contrasting black disk of the Marguerite like blossoms make this a conspicuous and beautiful plant for beds and borders. 5c each, 50c per doz.

ENGLISH DAISY. Bellis perennis, double flowered, white or pink. A favorite spring flower. Goes well with a bed of pansies. 3c each, 30c per doz.

FEVERFEW. The Gem, double white, fine for cut flowers. design work or growing in masses. 5c each, 50c per doz.

GERANIUMS. Of these popular plants we have selected the following choice collection as being the best out of a great number of varieties tested.

—Double. Countess of Harcourt, the best double white; John Doyle, bright vermillion; Abbie Schafer, one of the best red bedders, large semi-double, crimson scarlet flowers; S. A. Nutt, the very darkest scarlet; Flamingo, the brightest of the dark scarlets, a compact grower; Alphonse Ricard, clear bright scarlet; Professor Poirlaut, crimson, purple and scarlet; Queen of Fairies, light rose shading to light flesh; Madam Gilbert, deep pink; Jean Viaud, clear pink; Louis Frencaise, light salmon pink; Orosa, bright carmine; Bertha de Presilly, silver rose pink flowers, the best light pink bedding variety; Countess de Roma, white with a thread of rose at the edge of the petals; new and greatly admired; Alliance, free blooming, stocky grower, delicate pink color; Alchiades, white center with deep rose border. Strong plants, three in pots, 10c each. \$1.00 per doz.

—Single. The call for single geraniums has been very large the last few years and we have not always been able to supply the demand. We have a large stock of fine plants ready this year and we think we will be able to fill all orders. Snow Queen the best single white; Jacquerie, very dark glowing vermillion scarlet; Mrs. Wood, free bloomer, very bright scarlet; Barbiset, pink, white in center; Blanche Molas, light rose, shading to flesh; Mrs. Hill, salmon rose.

Any of the above varieties of geraniums, good strong plants, 10c each, \$1.00 per doz.

—Rose Scented, is fine for summer use if grown in the garden, and like Heliotrope should be in every outdoor collection. Either skeleton leaved or common. 10c each.

—Madam Saleroi, leaves green, edged with white, plants dwarf and much used for borders to beds. 5c each 50c per doz.

GLADIOLUS BULBS. The Gladioli increase each year in popularity as their value for house decoration is more generally recognized. If cut when the first flower opens and placed in water in the house every bud on the spike will open into good flowers. Grown in masses the flowers

make a fine show in the garden. They are useful to succeed the early spring bulbs as the gladiolus bulbs may be planted in the beds while tulips, etc., are in blossom and the bed can be put in shape for the gladioli afterward. The bulbs should be placed not less than three inches deep and may be planted for succession from early spring until middle of June. If grown in masses they may be planted five or six inches apart and if in rows 3 inches apart in the row.

We have a fine collection of gladioli in a splendid mixture of shades. By mail, postpaid, per doz. 40c, 35 for \$1.00. By express, per doz. 25c, 60 for \$1.00, \$1.50 per 100. Light shades, by mail, postpaid, per doz. 50c, 35 for \$1.00. By express, per doz. 30c, 50 for \$1.00.

Mixture of dark shades at same prices as light shades mixture.

GLADIOLUS, America. This is the most beautiful of all the varieties of gladioli. It is of a soft lavender pink vigorous stalks. Price 10c each, \$1.00 per dozen.

HELIOTROPE. After testing a great many varieties we offer the following as the best: Queen of Violet, very dark with white eye; Florence Nightingale, medium shade and very free bloomer; White Lady, nearest approach to white, good grower, free bloomer. Any of the above varieties of heliotrope, 10c each, \$1.00 per doz.

LEMON VERBENA. Aloysia citriodora. Delightful lemon fragrance to the leaves. For indoors or outside, 10c each, per doz. \$1.00.

LOBELIA. Single blue with white eye. Much used for bedding, and in window boxes and vases. 5c each, per doz. 50c.

MOURNING BRIDE. Scabiosa. The flowers are double on long, slender stems and they are fine for cutting. They come in a variety of shades from white to deep maroon and darkest purple. Per doz. 30c.

PARIS DAISY. We have tested the following kinds of Paris daisies or Marguerites and recommend all of them for planting for cut flowers or growing in pots.

—Mrs. F. Sander. The new double Paris Daisy. Double flowers of pure glistening white. Produced on long stems and suitable for cut flowers or pot culture, 15c each, \$1.50 per doz.

—Giant flowered. Single flowers of large size. Good for cut flowers. 5c each, 50c per doz.

PANSY PLANTS

The growing of pansy plants and seeds is our main specialty and our trade in pansy plants is now very extensive with both amateurs and dealers. For thirty years we have shown our pansies at our own state and other leading fairs of the west and we know what will please the American people in colors and varieties.

We offer our pansies believing them to be superior in size and form of flower, with the most beautiful colors and markings to be found in pansies at the present time.

Orders will be filled promptly as soon as spring opens. We can also furnish transplanted plants in the fall after Sept. 20th. Write for special prices on fall pansy plants.

PETUNIA. Single. Fringed or superbissima, each variety separate or both mixed. Strong plants from pots, 5c each, 50 c per doz.

—Double. Defender, pure white. Pink Beauty, fringed pink, a favorite. Crimson Beauty, purplish crimson. Marvel, edged and mottled with white. Each 10c, per doz. \$1.00.

SALVIA SPLENDENS. Nothing can excel the Salvia Splendens for giving a showy mass of color, and for a long time. With late cosmos, canna, or any other bright green for a center or background the bright scarlet has a brilliant effect. Clara Bedman or Bonfire, medium height. Zurich, dwarf, an early and continuous bloomer. Any of the above varieties, 5c each. 50c per doz.

—Jewell. Newest dwarf salvia. Very free bloomer, long spikes, and large brilliant flowers. A very uniform grower, dwarf and compact.

The plants we offer are all grown so as to furnish a strong root system. Those started in the greenhouse are hardened off by transplanting out doors before shipping.

Plants sent to all parts of the country, whether by express or mail, have been reported received in splendid order.

Transplanted plants in bud or blossom, from selected seed, by express, 30c per doz., 50 plants \$1.00, 100 plants \$1.60, 1,000 plants \$15.00, 500 plants at 1,000 plant rates. Plants once transplanted, by mail postpaid, 30c per doz.

The above prices are for mixed varieties, but if many plants of any one variety are ordered, ten per cent will be added to the regular prices of such plants.

The best salvia yet brought out. 10c each; \$1.00 per doz.

SCABIOSA. See Mourning Bride.

THUNBERGIA. A very attractive climber, suitable for drooping over edge of vase or window box. Flowers white with black eye, or yellow with black eye. 5c each, per doz. 50c.

TRADESCANTIA TRICOLOR. The brightest of the wandering Jews. Useful in window boxes and vases in shady places, to hang over the edge. 10c each, \$1.00 per doz.

VERBENA. Beautiful and fragrant, free and continuous bloomers. In separate colors of white, pink, dark blue, scarlet, and mixed. Per doz. 30c.

VINCA VARIEGATA. Has drooping vine like stems with leaves variegated white and green. Indispensable for window boxes and vases. 10c, 15c and 20c each, per doz. \$1.00. \$1.50 and \$2.00.

HARDY PERENNIAL PLANTS

This grand class of plants is becoming more popular every year. They do not require renewing every year and will continue to give of their beauty for many years if the grass and weeds are kept away from them and they are cultivated occasionally. While they will not be satisfactory if wholly neglected they will thrive with less care each year than is necessary to give to annuals. There is a wide variety in color and size of growth and flowers may be enjoyed from spring till winter frosts if a proper selection is made. Many kinds are desirable as cut flowers

and all are well adapted to the decoration of home grounds and gardens. For best results the soil should be quite rich and well drained. Most of them come through our winters better if protected with marsh hay, straw or some light litter.

Hardy plants are one of the Toole specialties and the kind we list are the best suited to general culture. The plants are either strong field grown clumps or strong plants from three or four-inch pots. Toole's hardy plants, like Toole's pansies, are of the best quality and are sure to prove satisfactory.

ACHILLEA PTARMICA. The Pearl. Double white flowers. Blooms profusely all summer. Excellent for cut flowers. Very hardy. About two feet high. 10c each. \$1.00 per doz.

ANCHUSA ITALICA, Dropmore Variety. Gentian blue flowers. Blooms through June and July. Grows about 5 feet high. 15c each. \$1.50 per doz.

ANTHEMIS TINCTORIA KELWAYI. Golden yellow flowers. Like marguerites in appearance. In blossom all summer. About 15 inches high. 10c each. \$1.00 per doz.

AQUILEGIA, or **COLUMBINE**. Columbines are among the most beautiful of the hardy plants. The graceful flowers with the curious spurs are of various colors, while the beautiful divided foliage is attractive after the flowers are gone.

—A. **CHRYSANTHA**. The Golden Columbine. Bright yellow long spurred flowers. Blooms in June and July. Two to three feet high.

—A. **COERULEA**. Rocky Mountain Columbine. Delicate blue and white. Blooms in May and June. About 1 foot high.

A. **HELENAE**. Large blue flowers with white corolla. This is a very fine columbine. Should be in every garden.

—A. **KELWAY'S** long spurred hybrids. Beautiful long spurred columbines in delicate shades of pink, blue, yellow, etc.

—A. **NIVEA GRANDIFLORA**. Pure white, good for cut flowers. Strong grower and pretty foliage.

—A. **VULGARIS**, FL. PL. Double white flowers. This beautiful columbine is a favorite at Decoration Day and is also much admired in the garden.

Any of the Aquilegias or columbines, 10c each, \$1.00 per doz. One each of the six varieties, 50c.

ASTER GRACILLIMUS. Very large white flowers changing to rosy pink. Five feet high. Bloom in fall. Very fine and new in this country. 25c each.

ASTER NOVAE ANGLIAE. Varying shades of rich purple. 4 to 5 ft. A mass of these makes a striking show in Sept. and Oct. 10c each. \$1 per doz.

BLEEDING HEART. See *Licentra Spectabilis*.

BOLTONIA ASTEROIDES. Pure white aster like flowers. Thousands of flowers open at one time. Very showy during late summer and autumn. 10c each. \$1.00 per doz.

BOLTONIA LATISQUAMA. Beautiful pink form of Boltonia. Flowers a little larger than *Asteroides* but not produced quite so plentifully. 15c each. \$1.00 per doz.

CAMPANULA MEDIUM. (Canterbury Bells.) This beautiful biennial is too well known to need description. Mixed colors of white, pink and blue. 10c each, \$1.00 per doz.

CAMPANULA PERSICIFOLIA — (Peach Bells). These are the finest of the Campanulas for cut flowers. We offer them in either the single or double flowered white. They bloom in June and are most attractive. 15c each, \$1.50 per doz.

CHRYSANTHEMUM ARCTICUM. (Arctic Daisy). White daisy flowers blooming very late. The flowers appear in late Sept. and Oct. This variety extends the daisy season pretty near up to winter. 15c each. \$1.50 per doz.

CHRYSANTHEMUM LATIFOLIUM. Blossoms about the time of the Shasta Daisy but is taller and the stems are stiffer. 15c each. \$1.50 per doz.

CHRYSANTHEMUM LEUCANTHEMUM or **MEMORIAL DAISY**. This early flowering daisy is often in blossom by Decoration Day. It is fine for cut flowers and the earliest of the daisies. 10c each. \$1.00 per doz.

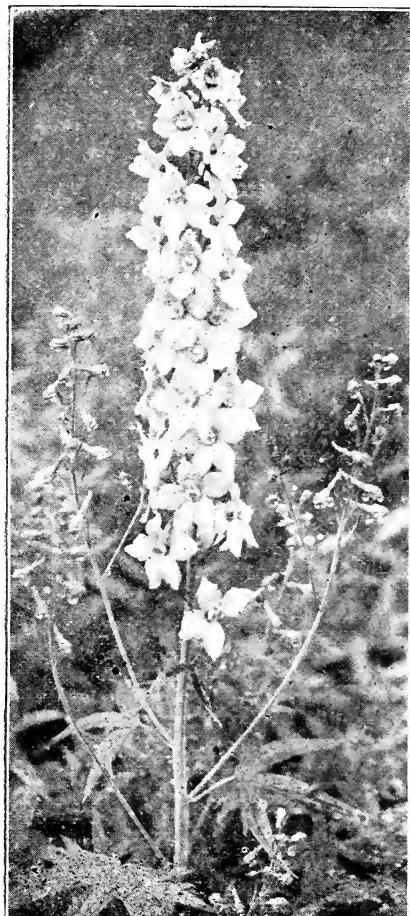
CHRYSANTHEMUM MAXIMUM or **SHASTA DAISY**. Ours is the variety of Shasta Daisy known as Alaska which is the finest of all. Very large graceful white flowers with yellow disk; blooms from June on. 10c each. \$1.00 per doz.

CLEMATIS PANICULATA. We consider this a very desirable hardy vine for either shade or ornament. The foliage is very attractive through the summer and the small white flowers form a perfect bank of whiteness in early September. The vine kills back nearly to the ground in winter, but makes a rapid growth in spring. Two-year-old clumps. 35c each.

COREOPSIS LANCEOLATA GRANDIFLORA. One of the ten best hardy plants. Golden yellow flowers fine for cutting or for border decoration. Blooms from June on through summer. 10c each, \$1.00 per doz.

DELPHINIUMS or **HARDY LARKS PURS**, are among the most beautiful and popular of hardy perennials. Easy to grow, perfectly hardy, and very attractive. Should be in every garden.

—D. **BELLADONNA**. Blooms continuously from June till frost. Clear turquoise blue flowers. Unequalled as cut flowers. 15c each. \$1.50 per doz.



Delphinium Hybride.

—D. GOLD MEDAL HYBRIDS. Mixed hybrids of various shades of blue and purple. Plants strong and vigorous and flower spikes large. These hybrid hardy larkspurs will be appreciated by every flower lover. 10c each, \$1.00 per doz.

—D. KELWAYS IMPROVED HYBRID LARKSPURS. These are seedlings of Kelways noted named larkspurs in the finest variety. All shade of blue. Large spikes of beautiful flowers. 10c each, \$1.00 per doz.

—D. FORMOSUM. Dark blue with white center. An old favorite and one of the best of the hardy larkspurs. Grows three to four feet high. 10c each, \$1.00 per doz.

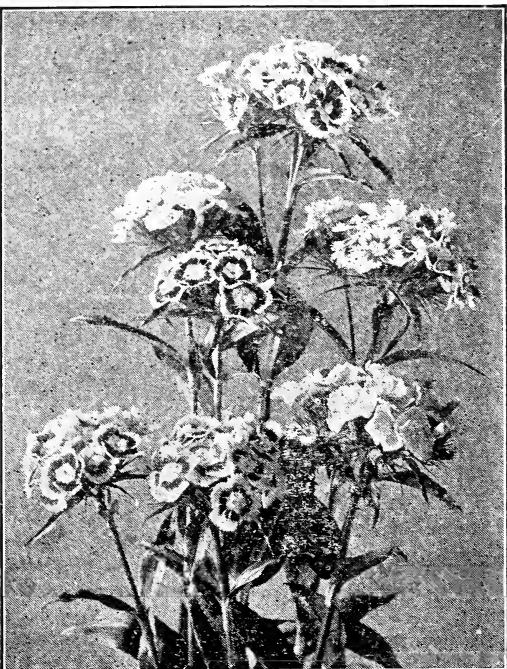
—D. FORMOSUM COELESTINUM. The flower is about the same shade as Belladonna but with a whiter center. The plant is taller, growing with a more robust spike. Very good. 10c each, \$1.00 per doz.

—D. CHINENSE. The Chinense larkspur has more finely divided foliage than the other varieties. The deep blue flowers are very pretty and attractive. 10c each, \$1.00 per doz.

—D. CHINENSE ALBUM. A pure white form of the above. 10c each, \$1.00 per doz.

One each of the above 7 varieties of hardy Delphiniums or larkspurs for 60c.

DIANTHUS BARBATUS, or Sweet William. We offer these old favorites

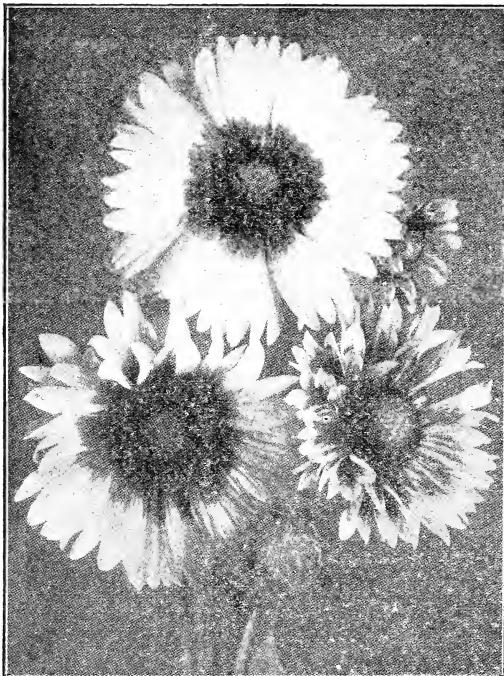


Sweet William.

in a mixture of single and double flowered sorts of large size and most beautiful colors. 10c each, \$1 per doz.

DICENTRA SPECTABILIS, or Bleeding Heart. This old fashioned flower with its pretty heart shaped flowers and divided foliage is a great favorite. Strong clumps. 20c each, 3 for 50c.

DIGITALIS GLOXINIAEFLORA, or Foxglove. An old fashioned flower that continues a favorite. The strong flower stalks are covered with white, pink or purple flowers finely spotted on the inside. 10c each, \$1.00 per doz.



Gaillardia Grandiflora.

GAILLARDIA GRANDIFLORA — (Blanket Flower). One of the most showy of the hardy plants. Begin to flower in June and continues throughout the summer. Gorgeous coloring of crimson, orange and yellow. A showy plant in the garden and excellent for cutting. Sometimes slow to come up in the spring but even if the crown wrinkles it will throw up sprouts from the roots down. 10c each, \$1.00 per doz.

GYPSOPHILA PANICULATA. or Baby's Breath. Beautiful little flowers in panicles forming a gauze-like appearance. Good for cutting especially to mix with coarser flowers. 10c each, \$1.00 per doz.

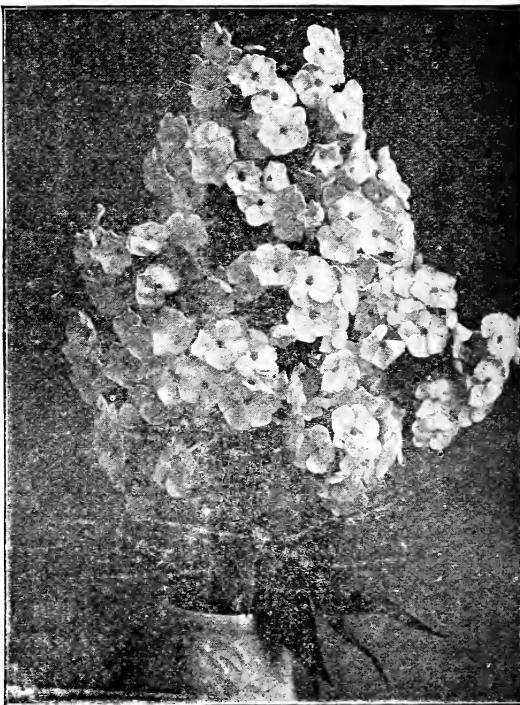
HELIANTHUS, or HARDY SUNFLOWERS. Fine for planting among shrubbery or in clumps. Free flowering and very decorative as cut flowers.

HELIANTHUS RIGIDUS MISS MELLISH. Semi double flowers of golden yellow color. Bloom in August and September.

HELIANTHUS RIGIDUS WOLLEY DODD. Semi double flowers a little lighter in shade than Miss Mellish. Blooms later during Sept. and Oct.

Either of the above Helianthus. 10c each, \$1.00 per doz.

HOLLYHOCKS. We have a very fine stock of hollyhocks in either the double or single flowered forms. Various colors of white, maroon, pink, yellow, red and rose mixed. 10c each, \$1.00 per doz.



Perennial Phlox.

IRIS. This hardy Perennial is becoming more popular every season. We offer some of the most desirable sorts.

—MADAM CHEREAU. Tall, thrifty grower. Large flowers. Color, white edged with blue. Very fine.

—SILVER KING. Medium height. Silvery petals.

—SIBIRICA. Smaller flowered, very free blooming. Color, clear blue. Any of the above Iris at 10c each, \$1.00 per doz.

LOBELIA CARDINALIS. Cardinal Flower. Spikes of rich fiery scarlet flowers. Very striking. 15c each, \$1.50 per doz.

LYCHINIS CHALCEDONICA. Scarlet flowers that begin to appear last of June. 2 to 3 feet high. 10c each, \$1.00 per doz.

MYOSOTIS or FORGET-ME-NOT. Heavenly Blue. Perfectly hardy in winter, but easily lost in summer if neglected. 5c each, per doz. 50c.

PEONIES. Everybody wth a home and room for a single plant should have a peony. When in bloom they are the most showy of flowers and after the blossoming season is over the dark green foliage is very decorative. White, pink, deep rose and red. Strong divisions. 35c each. \$3.50 per doz.

PAPAVER ORIENTALE. Oriental Poppy. Large glowing scarlet flowers. Hardy and will live many years. Flower in May and June. 10c each. \$1.00 per doz.

PAPAVER NUDICAULE. Iceland Poppy. Start to bloom early in spring and continue through the summer. Bright showy flowers in profusion. White, yellow, lemon and orange scarlet mixed. While these are biennials they pay for themselves in one year with their abundance of flowers. 10c each. \$1.00 per doz.

PERENNIAL PHLOX.

Probably there is no perennial flower that makes a finer show in the garden than the hardy phlox. They should be divided and reset every two or three years. From a number of choice varieties the following selection is offered:

—**AQUILON.** Carmine rose, shaded salmon with dark center.

—**ATTRACTION.** White with rosy crimson eye, long spikes of bloom.

—**COQUELICOT.** Scarlet shaded with salmon, crimson eye. Very showy.

—**AVISTA.** Early white.

BARON BURKHART. Bright Rose with large beds of flowers.

—**ECLARIEUR.** Purplish crimson with white halo.

—**EDMOND ROSTAND.** Purple with large white center.

—**INDEPENDENCE.** Midseason, white.

—**JEAN D'ARC.** Late, white.

—**JAMES GALLOWAY.** Crimson maroon center.

—**LUMINOUS.** Clear bright red with crimson eye.

—**MERCIE.** Bluish lilac with white halo.

—**MME. PAUL DUTRIE.** A soft lilac rose.

—**MRS. JENKINS.** An early white for massing.

—**O. WITTIG.** Bright magenta with crimson eye. Large flower.

—**PANTHEON.** Bright carmine rose.

—**PINK BEAUTY.** Clear pink, in large compact heads.

—**SELMA.** Large trusses of pink flowers with red eye.

—**SIEBOLD.** Orange scarlet with crimson eye.

—**WILLIAM ROBINSON.** Rosy salmon with dark center.

Any of the above varieties, young plants, 10c each. \$1.00 per doz. Strong field clumps, 20c each. \$2.00 per doz.

PLATYCODON MARIESI. Japanese Bell Flower. Deep blue or white cup shaped flowers two or three inches across. 15c each. \$1.50 per doz.

PYROSSTEGIA VIRGINICA. False Dragon Head. Tubular flowers on spikes of pink color. Four feet high. Good for cutting.

PYRETHRUM HYBRIDIUM. These beautiful flowers range in color from white to deep crimson. They are beautiful as a vase flower or for table decorations. Pyrethrums are perfectly hardy and bloom freely during June, and occasional flowers are put forth in the autumn if the plants are well cared for. Price for mixed colors, 10c each. \$1.00 per doz.

PYRETHRUM ULIGINOSUM. Giant Daisy. This tall growing daisy gives a striking effect planted in a mass on the lawn or in the shrubbery border. The large white daisies are borne on plants 4 or 5 feet high and are in blossom in August and September. 10c each. \$1.00 per doz.

SWEET WILLIAM. See *Dianthus Barbus*.

VINCA MINOR. PERWINKLE. or Trailing Myrtle. An evergreen trailing plant used to carpet the ground under trees or shrubs, or to cover graves where it is too shady for other plants or grass. 5c each. 50c per doz.

VINCA MINOR AUREA. A new golden variegated variety of the above which is very attractive and will be popular. 10c each. \$1.00 per doz.

VINCA MINOR ARGENTEA. This new silver bordered or variegated form of *V. Minor* is very beautiful and attractive and is useful as a ground covering and as a window box plant in shady situations. 10c each. \$1.00 per doz.

VIOLA CORNUTA. G. WERMIG. Large violet like flowers, deep purple color. Blooms throughout summer. Strong divisions, 5c each. 50c per doz.

VIOLA CORNUTA. MAUVE QUEEN. Similar to above, but mauve colored flowers. Full of bloom even in warm weather. 5c each. 50c per doz.

THE UNIVERSITY OF WISCONSIN
Agricultural Experiment Station
State Nursery and Orchard Inspection

Nursery Certificate-License No. 67
(Resident)

This Certifies that the Nursery Premises of Wm. Toole & Son, Baraboo, Wisconsin, including one acre of stock have been inspected by an official state inspector in accordance with Chapter 434, Laws of Wisconsin, 1911, and LICENSE IS HEREBY GRANTED to the owners of the herein named nursery to sell and ship nursery stock, which has been officially inspected, for one year ending October 1, 1914, provided that a tag on which a certified copy of this license has been printed, is attached to each package, bundle, bale, box, or carload lot so shipped.

Issued at Madison, Wis., Sep. 4, 1913.

This Certificate-License is void after
October 1, 1914, but may be previously re-
voked for cause.

J. G. SANDERS,
State Orchard and Nursery Inspector
H. L. RUSSEL, Director

WILLIAM TOOLE & SON

Pansy Heights

Baraboo : Wisconsin

1914